

Contents of *Aquaculture*, Volume 142

VOL. 142 NOS. 1-2

10 JUNE 1996

Diseases, Parasites and Predators

- Parasites in commercially-exploited cephalopods (Mollusca, Cephalopoda) in Spain: an updated perspective
S. Pascual, C. Gestal, J.M. Estévez, H. Rodríguez, M. Soto, E. Abollo and C. Arias (Vigo, Spain) . . . 1
- Use of cleaner-wrasse (*Centrolabrus exoletus* (L.) and *Ctenolabrus rupestris* (L.)) to control infestations of *Caligus elongatus* Nordmann on farmed Atlantic salmon
O. Tully, P. Daly, S. Lysaght (Dublin, Ireland), S. Deady and S.J.A. Varian (Galway, Ireland) . . . 11

Genetics and Breeding

- Color and weight of pearls produced by grafting the mantle tissue from a selected population for white shell color of the Japanese pearl oyster *Pinctada fucata martensii* (Dunker)
K.T. Wada and A. Komaru (Mie, Japan) . . . 25

Husbandry and Management

- Effects of size on optimal temperature for growth and growth efficiency of immature Atlantic halibut (*Hippoglossus hippoglossus* L.)
B. Björnsson and S.V. Tryggvadóttir (Reykjavík, Iceland) . . . 33
- Development of an intensive culture system for sea bass (*Dicentrarchus labrax*) larvae in sea enclosures
O. Nehr (Marseille, France), J.-P. Blancheton (Palavas les Flots, France) and E. Alliot (Marseille, France) . . . 43
- Spore culture of the edible red seaweed, *Gracilaria parvispora* (Rhodophyta)
E.P. Glenn, D. Moore, K. Fitzsimmons and C. Azevedo (Tucson, AZ, USA) . . . 59
- Shell and tissue growth of juvenile sea scallops (*Placopecten magellanicus*) in suspended and bottom culture in Lunenburg Bay, Nova Scotia
S. Kleinman, B.G. Hatcher, R.E. Scheibling, L.H. Taylor and A.W. Hennigar (Halifax, N.S., Canada) . . . 75

Nutrition

- Deposition and metabolism of dietary canthaxanthin in different organs of Arctic charr (*Salvelinus alpinus* L.)
Metusalach, J. Synowiecki, J. Brown and F. Shahidi (St. John's, Nfld., Canada) . . . 99

Physiology and Endocrinology

- Diluent for cool storage of the Japanese eel (*Anguilla japonica*) spermatozoa
H. Ohta (Mie, Japan) and T. Izawa (Eniwa, Japan) . . . 107

Stereological studies on the gametogenic cycle of the scallop, <i>Pecten maximus</i> , in suspended culture in Ria de Arousa (Galicia, NW Spain) A.J. Pazos (Santiago de Compostela, Spain), G. Román (Coruña, Spain), C.P. Acosta (Pontevedra, Spain), M. Abad and J.L. Sánchez (Santiago de Compostela, Spain)	119
Aquacultural Engineering Society	137
VOL. 142 NOS. 3-4	20 JUNE 1996
Genetics and Breeding	
Effects of inbreeding on growth and reproductive traits in rainbow trout (<i>Oncorhynchus mykiss</i>) G.-S. Su, L.-E. Liljedahl (Uppsala, Sweden) and G.A.E. Gall (Davis, CA, USA)	139
All-triploid Pacific oysters (<i>Crassostrea gigas</i> Thunberg) produced by mating tetraploids and diploids X. Guo, G.A. DeBrosse and S.K. Allen, Jr. (Port Norris, NJ, USA)	149
Husbandry and Management	
Growth and metamorphosis of <i>Rana perezi</i> larvae in culture: effects of larval density I.P. Martínez, R. Álvarez and M.P. Herráez (León, Spain)	163
Estimation of the biomass production of <i>Artemia</i> with regard to its use in aquaculture: temperature and strain effects C. Barata, F. Hontoria and F. Amat (Torre de la Sal, Spain)	171
A simple von Bertalanffy model for density-dependent growth in extensive aquaculture, with an application to common carp (<i>Cyprinus carpio</i>) K. Lorenzen (London, UK)	191
Phosphorus fertilization strategy in fish ponds based on sediment phosphorus saturation level M.K. Shrestha and C.K. Lin (Bangkok, Thailand)	207
Nutrition	
Influence of dietary $n-3$ highly unsaturated fatty acids levels on juvenile gilthead seabream (<i>Sparus aurata</i>) growth and tissue fatty acid composition C. Ibeas, J. Cejas, T. Gómez, S. Jerez and A. Lorenzo (Tenerife, Spain)	221
Presence of trypsin in distinctive body segments of leptocephalus larvae of Anguilliformes C. Kruse (Lübeck, Germany), B. Strehlow (Rostock, Germany), H. Schmidt and P.K. Müller (Lübeck, Germany)	237
Differential patterns of feeding and resource accumulation in maturing and immature Atlantic salmon, <i>Salmo salar</i> S. Kadri (Glasgow, UK), D.F. Mitchell (Fort William, UK), N.B. Metcalfe, F.A. Huntingford and J.E. Thorpe (Glasgow, UK)	245
Fatty acids of wild and cultured <i>Penaeus vannamei</i> larvae from Ecuador M. Montaña and J.C. Navarro (Guayaquil, Ribera de Cabanes, Ecuador, Spain)	259
Availability of phosphorus from feedstuffs fed to rainbow trout, <i>Oncorhynchus mykiss</i> M. Riche and P.B. Brown (West Lafayette, IN, USA)	269
Aquacultural Engineering Society	283
Contents of <i>Aquaculture</i> , Volume 142	285

